

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Canceled).

Claim 2 (Currently Amended): The compressor according to claim ~~[[1]]~~ 13, wherein said closed curve is triangular and includes a first curve element defining a base extending in a rotating direction of said swash plate and a second curve element defining a top directed inward in a diametrical direction of said swash plate and having a curvature radius smaller than that of the first curve element.

Claim 3 (Original): The compressor according to claim 2, wherein said closed curve further includes third curve elements connecting with ends of the first curve element and having a curvature radius smaller than that of the second curve element, the straight elements connecting the corresponding third curve element and the second curve element, respectively.

Claim 4 (Currently Amended): The compressor according to claim ~~[[1]]~~ 13, wherein said closed curve is oval and includes a first curve element defining a large end portion situated ahead as viewed in a rotating direction of said swash plate, a second curve element defining a small end portion situated behind as viewed in the rotating direction and having a curvature radius smaller than that of the first curve element, and two straight elements connecting the first and second curve elements.

Claim 5 (Currently Amended): The compressor according to claim ~~[[1]]~~ 13, wherein said compression unit includes a cylindrical outer shell, a metallic center sleeve located in a center of the outer shell and supporting said main shaft by means of a bearing, metallic intermediate sleeves arranged between the outer shell and the center sleeve and individually defining said cylinder bores inside, and a resin filler filling gaps in the outer shell.

Claim 6 (Original): The compressor according to claim 5, wherein said cylinder bores are formed by plastically deforming the intermediate sleeves.

Claim 7 (Canceled).

Claim 8 (Canceled).

Claim 9 (Currently Amended): The compressor according to claim ~~[[8]]~~ 13, wherein said piston body is a hollow structure opening at the inner end thereof, and said piston head has a cap portion closing the inner end and a rim connecting with the cap portion and serving as the ring portion.

Claim 10 (Currently Amended): The compressor according to claim ~~[[8]]~~ 13, wherein said ring portion has a slit extending in an axial direction of said piston and crossing the ring portion.

Claim 11 (Original): The compressor according to claim 10, wherein said seal ring has an outer slit extending in the axial direction of the piston and crossing the seal ring, the outer slit forming one passage in conjunction with the inner slit of the ring portion.

Claim 12 (Currently Amended): The compressor according to claim ~~[[8]]~~ 13, wherein said seal ring has at least one circumferential groove on an outer peripheral surface thereof.

Claim 13 (New): A swash plate compressor, comprising:
a housing;
a rotatable main shaft extending in the housing;
a swash plate mounted on the shaft and rotatable together with the shaft; and
a compressor unit adapted to carry out a suction process and a compression process for a working fluid as the swash plate rotates, wherein the compressor unit comprises:

a plurality of pistons arranged adjacent to one another in the rotating direction of the swash plate and adapted to reciprocate in an axial direction of the shaft as the swash plate rotates; and

a plurality of cylinder bores, wherein each of the cylinder bores is configured to receive a corresponding one of the pistons and to guide the corresponding one of the pistons in reciprocation, and each the cylinder bore has a cross-section formed of any closed curve other than a circle, wherein the closed curve comprises a plurality of curve elements and a plurality of straight elements, and each of the straight elements connects each two adjacent curve elements, wherein each of the pistons comprises:

a piston body having an inner end disposed within the cylinder bore;

a piston head mounted on the inner end of the piston body; and

a piston ring mounted on the piston body, wherein the piston head and the piston ring have a cross-sectional shape which conforms to the cross-section of the cylinder bore, such that only the piston head and the piston ring slidably contact the cylinder bore when the piston is fitted in the cylinder bore, wherein the piston head and the piston ring each comprise:

a metallic ring portion surrounding the outer periphery of the piston body; and

a seal ring surrounding an outer periphery of the ring portion, the seal ring being formed of a synthetic resin and being elastically deformable.

Claim 14 (New): A swash plate compressor, comprising:

a housing;

a rotatable main shaft extending in the housing;

a swash plate mounted on the shaft and rotatable together with the shaft; and

a compressor unit adapted to carry out a suction process and a compression process for a working fluid as the swash plate rotates, wherein the compressor unit comprises:

a plurality of pistons arranged adjacent to one another in the rotating direction of the swash plate and adapted to reciprocate in an axial direction of the shaft as the swash plate rotates;

a plurality of cylinder bores, wherein each of the cylinder bores is configured to receive a corresponding one of the pistons and to guide the corresponding one of the pistons in reciprocation, and each the cylinder bore has a cross-section formed of any closed curve other

than a circle, wherein the closed curve comprises a plurality of curve elements and a plurality of straight elements, and each of the straight elements connects each two adjacent curve elements;

a cylindrical, hollow outer shell;

a metallic center sleeve located in a center of the outer shell and supporting the main shaft by means of a bearing;

metallic intermediate sleeves arranged between the outer shell and the center sleeve and individually defining the cylinder bores therein to form gaps within the outer shell outside of the intermediate and center sleeves; and

a resin filler filling the gaps.

Claim 15 (New): The compressor according to claim 14, wherein the metallic intermediate sleeves are disposed in a state contacting an inner circumferential surface of the cylindrical outer shell and an outer circumferential surface of the metallic center sleeve.

Claim 16 (New): The compressor according to claim 15, wherein in the metallic intermediate sleeves, each two sleeves adjacently disposed in a circumferential direction of the cylindrical outer shell are in contact with each other.